

## AMENDMENTS TO THE SPECIFICATION:

Paragraph starting at line 29 of page 10 has been amended as follows:

The example described above is not intended to limit the scope of the invention. Many modifications and variations are possible within the scope of the invention. For example, the detection surface of the sensor main body 1 with the cover need not be a simple protrusion but may be of any other uneven shape having a plurality of externally directed mutually adjacent protrusions with thickness decreasing in the direction of protrusion as shown in Figs. 4A, 4B and 4C. In summary, the invention provides sensors unlikely to make errors even in an environment with water drops such as rain drops splashing around and reliable detectors using such a sensor for detecting an object caught or likely to be caught by a door.